

# Mobile Apps Development for Journalists

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# Agenda

- In-Class Exercise - Navigation Controllers and Segues
- In-Class Exercise - Image View
- Custom View Controllers

# Resources

- <https://developer.apple.com/library/ios/documentation/WindowsViews/Conceptual/ViewControllerCatalog/Chapters/NavigationControllers.html>
- <https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/UIKitUICatalog/UIImageView.html>
- Both of these are pretty advanced

# Custom View Controllers

- From the File->New->File... menu
- Has to extend UIViewController
- Why do we need them?
- Easy to forget

# Navigation Controller Review

- Navigation Controllers used to provide structure to your application
- For instance - List of News Stories -> Story Display
- Provides Back Button
- Also provides Navigation Bar
- Navigation Bar Configured with Navigation Item

# In-Class Navigation Controller Exercise

- Create a new XCode Project
- Create three view controllers - Home, News, Story
- Create Custom View Controller Classes for each,  
(HomeController, NewsViewController, StoryViewController)
- Embed the Home view controller in a Navigation Controller
- Put a button on Home to go to News, and a button on News to go to Story
- Set up the titles on the Navigation Items

# Images

- UIImageView
- Also backgrounds for other views
- Need to be imported into project's Image Assets
- Using images directly from the web is actually a special case we'll discuss later in the semester

# Retina

- What is Retina?
- iPhone 4 and above, iPad Mini 2 and above, iPad Retina and above
- Non-retina - iPhone 3GS and below, iPad, iPad 2, iPad mini
- 1x, 2x, 3x



# UIImageView

- Scale To Fit
- Aspect Fit
- Aspect Fill
- Sizing, Distortion, etc.

# In-Class Image View Exercise

- Create a new XCode Project
- Download a photo to use for your app (NASA public domain)
- Resize the image into @1x, @2x, @3x sizes
- Put all three images into Images.xcassets
- Put the Image into an UIImageView
- Try all of the different scaling modes